

SEQUENCE LISTING

<110> Strom, Terry B.
Li, Xian Chang

<120> MODULATION OF IL-2 AND IL-15 MEDIATED T CELL RESPONSES

<130> 01948-057001

<140> US 09/953,323

<141> 2001-09-14

<150> US 60/232,251

<151> 2000-09-14

<160> 7

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)...(486)

<400> 1

atg	aga	att	tcg	aaa	cca	cat	ttg	aga	agt	att	tcc	atc	cag	tgc	tac	48
Met	Arg	Ile	Ser	Lys	Pro	His	Leu	Arg	Ser	Ile	Ser	Ile	Gln	Cys	Tyr	
1				5					10					15		

ttg	tgt	tta	ctt	cta	aac	agt	cat	ttt	cta	act	gaa	gct	ggc	att	cat	96
Leu	Cys	Leu	Leu	Leu	Asn	Ser	His	Phe	Leu	Thr	Glu	Ala	Gly	Ile	His	
			20					25					30			

gtc	ttc	att	ttg	ggc	tgt	ttc	agt	gca	ggg	ctt	cct	aaa	aca	gaa	gcc	144
Val	Phe	Ile	Leu	Gly	Cys	Phe	Ser	Ala	Gly	Leu	Pro	Lys	Thr	Glu	Ala	
		35					40					45				

aac	tgg	gtg	aat	gta	ata	agt	gat	ttg	aaa	aaa	att	gaa	gat	ctt	att	192
Asn	Trp	Val	Asn	Val	Ile	Ser	Asp	Leu	Lys	Lys	Ile	Glu	Asp	Leu	Ile	
	50					55					60					

caa	tct	atg	cat	att	gat	gct	act	tta	tat	acg	gaa	agt	gat	gtt	cac	240
Gln	Ser	Met	His	Ile	Asp	Ala	Thr	Leu	Tyr	Thr	Glu	Ser	Asp	Val	His	
	65				70					75					80	

ccc	agt	tgc	aaa	gta	aca	gca	atg	aag	tgc	ttt	ctc	ttg	gag	tta	caa	288
Pro	Ser	Cys	Lys	Val	Thr	Ala	Met	Lys	Cys	Phe	Leu	Leu	Glu	Leu	Gln	
			85						90					95		

gtt	att	tca	ctt	gag	tcc	gga	gat	gca	agt	att	cat	gat	aca	gta	gaa	336
Val	Ile	Ser	Leu	Glu	Ser	Gly	Asp	Ala	Ser	Ile	His	Asp	Thr	Val	Glu	
			100					105								

aat ctg atc atc cta gca aac aac agt ttg tct tct aat ggg aat gta 384
 Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
 115 120 125

aca gaa tct gga tgc aaa gaa tgt gag gaa ctg gag gaa aaa aat att 432
 Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
 130 135 140

aaa gaa ttt ttg gac agt ttt gta cat att gtc gac atg ttc atc aac 480
 Lys Glu Phe Leu Asp Ser Phe Val His Ile Val Asp Met Phe Ile Asn
 145 150 155 160

act tct tga 489
 Thr Ser

<210> 2
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 2
 Met Arg Ile Ser Lys Pro His Leu Arg Ser Ile Ser Ile Gln Cys Tyr
 1 5 10 15
 Leu Cys Leu Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His
 20 25 30
 Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala
 35 40 45
 Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
 50 55 60
 Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
 65 70 75 80
 Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
 85 90 95
 Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu
 100 105 110
 Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
 115 120 125
 Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
 130 135 140
 Lys Glu Phe Leu Asp Ser Phe Val His Ile Val Asp Met Phe Ile Asn
 145 150 155 160
 Thr Ser

<210> 3
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> (1)...(486)

<400> 3

atg	aga	att	tcg	aaa	cca	cat	ttg	aga	agt	att	tcc	atc	cag	tgc	tac	48
Met	Arg	Ile	Ser	Lys	Pro	His	Leu	Arg	Ser	Ile	Ser	Ile	Gln	Cys	Tyr	
1				5				10					15			

ttg	tgt	tta	ctt	cta	aac	agt	cat	ttt	cta	act	gaa	gct	ggc	att	cat	96
Leu	Cys	Leu	Leu	Leu	Asn	Ser	His	Phe	Leu	Thr	Glu	Ala	Gly	Ile	His	
		20						25					30			

gtc	ttc	att	ttg	ggc	tgt	ttc	agt	gca	ggg	ctt	cct	aaa	aca	gaa	gcc	144
Val	Phe	Ile	Leu	Gly	Cys	Phe	Ser	Ala	Gly	Leu	Pro	Lys	Thr	Glu	Ala	
	35						40					45				

aac	tgg	gtg	aat	gta	ata	agt	gat	ttg	aaa	aaa	att	gaa	gat	ctt	att	192
Asn	Trp	Val	Asn	Val	Ile	Ser	Asp	Leu	Lys	Lys	Ile	Glu	Asp	Leu	Ile	
	50					55					60					

caa	tct	atg	cat	att	gat	gct	act	tta	tat	acg	gaa	agt	gat	gtt	cac	240
Gln	Ser	Met	His	Ile	Asp	Ala	Thr	Leu	Tyr	Thr	Glu	Ser	Asp	Val	His	
65					70					75					80	

ccc	agt	tgc	aaa	gta	aca	gca	atg	aag	tgc	ttt	ctc	ttg	gag	tta	caa	288
Pro	Ser	Cys	Lys	Val	Thr	Ala	Met	Lys	Cys	Phe	Leu	Leu	Glu	Leu	Gln	
			85					90						95		

gtt	att	tca	ctt	gag	tcc	gga	gat	gca	agt	att	cat	gat	aca	gta	gaa	336
Val	Ile	Ser	Leu	Glu	Ser	Gly	Asp	Ala	Ser	Ile	His	Asp	Thr	Val	Glu	
		100						105					110			

aat	ctg	atc	atc	cta	gca	aac	aac	agt	ttg	tct	tct	aat	ggg	aat	gta	384
Asn	Leu	Ile	Ile	Leu	Ala	Asn	Asn	Ser	Leu	Ser	Ser	Asn	Gly	Asn	Val	
	115						120					125				

aca	gaa	tct	gga	tgc	aaa	gaa	tgt	gag	gaa	ctg	gag	gaa	aaa	aat	att	432
Thr	Glu	Ser	Gly	Cys	Lys	Glu	Cys	Glu	Glu	Leu	Glu	Glu	Lys	Asn	Ile	
	130					135					140					

aaa	gaa	ttt	ttg	cag	agt	ttt	gta	cat	att	gtc	caa	atg	ttc	atc	aac	480
Lys	Glu	Phe	Leu	Gln	Ser	Phe	Val	His	Ile	Val	Gln	Met	Phe	Ile	Asn	
145				150						155					160	

act	tct	tga														489
Thr	Ser															

<210> 4

<211> 162

<212> PRT

<213> Homo sapiens

<400> 4

Met	Arg	Ile	Ser	Lys	Pro	His	Leu	Arg	Ser	Ile	Ser	Ile	Gln	Cys	Tyr	
1				5				10					15			
Leu	Cys	Leu	Leu	Leu	Asn	Ser	His	Phe	Leu	Thr	Glu	Ala	Gly	Ile	His	
		20						25					30			

Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala
 35 40 45
 Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
 50 55 60
 Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
 65 70 75 80
 Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
 85 90 95
 Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu
 100 105 110
 Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
 115 120 125
 Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
 130 135 140
 Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile Asn
 145 150 155 160
 Thr Ser

<210> 5
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetically generated oligonucleotide

<400> 5
 ggaattcaac tgggtgaatg taata

25

<210> 6
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetically generated oligonucleotide

<400> 6
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26

<210> 7
 <211> 60
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetically generated oligonucleotide

<400> 7
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60